

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 June 2006 (22.06.2006)

PCT

(10) International Publication Number
WO 2006/065015 A1

(51) International Patent Classification⁷: **H01L 33/00**

(21) International Application Number:
PCT/KR2005/002368

(22) International Filing Date: 21 July 2005 (21.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2004-0107782
17 December 2004 (17.12.2004) KR

(71) Applicant (for all designated States except US): **LG INNOTEK CO., LTD [KR/KR]**; 14th F1., Hansol Bldg., 736-1, Yoksam-dong, Kangnam-gu, Seoul 135-983 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PARK, Jun Seok** [KR/KR]; 906ho, 105dong, Yongdujoogong Apt, 643bunji, Shinyong-dong, Buk-gu, Gwangjoo-si 500-791 (KR).

(74) Agent: **HAW, Yong-Noke**; 8th F1. Songchon Bldg., 642-15, Yoksam-dong, Kangnam-gu, Seoul 135-080 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

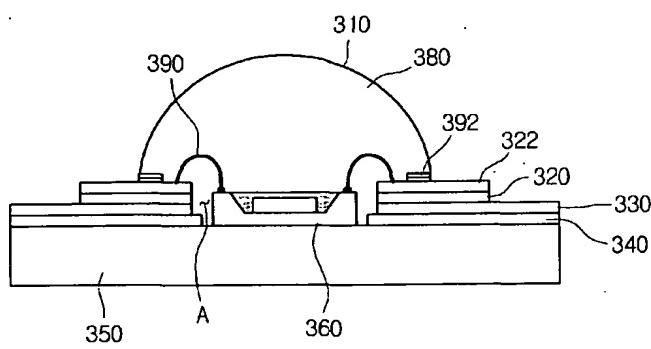
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PACKAGE FOR LIGHT EMITTING DEVICE



(57) Abstract: The present invention discloses a light emitting device package, comprising: a metal base; an electrical circuit layer provided at an upper side of the metal base for providing a conductive path; a light emitting device mounted in a second region having a smaller thickness than a first region on the metal base; an insulating layer sandwiched between the metal base and the electrical circuit layer; an electrode layer provided at an upper side of the electrical circuit layer; and a wire for electrically connecting the electrode layer and the light emitting device. Further, there is provided a light emitting device package which is improved in light emission efficiency since the light emitting device is placed on a small thickness portion of the metal base.

WO 2006/065015 A1